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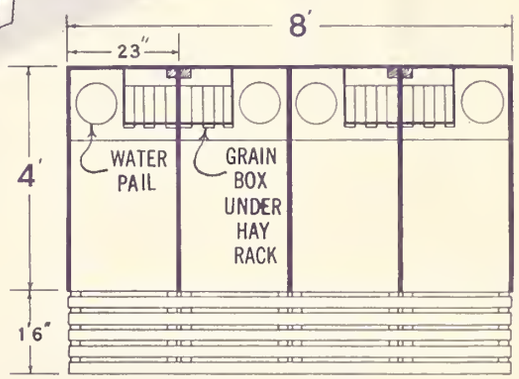
TIE STALLS
for dairy calves

COOPERATIVE FARM BUILDING
Plan No. 6057
(1 SHEET)
PLAN EXCHANGE



PLAN VIEW

Individual tie stalls or pens for young dairy calves up to 6 weeks old permit individual feeding and aid in preventing the spread of infectious diseases.

The tie stalls were designed by A. Roger Grout, extension agricultural engineer, at Pennsylvania State University. The unit requires about half as much space per calf as individual pens, needs less bedding, and is easier to clean.

The solid ends, partitions, and front of this four-stall unit help to protect the calves from drafts. Each stall is provided with a pail for milk or water, a grain box, and a hay rack. The unit is supported above the barn floor by two rows of concrete blocks to facilitate cleaning under the slotted portion of the stall flooring. The number of stalls in the unit may be varied in multiples of two, although the four-stall unit makes economical use of standard sizes and lengths of materials. All fastenings should be rustproof.

CAUTION: If the stall unit is to be painted, do not use paint containing lead.

A large-scale working drawing may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6057, TIE STALLS FOR DAIRY CALVES.

Washington, D.C. Issued October 1969

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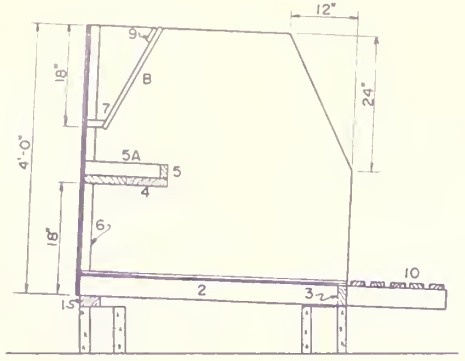
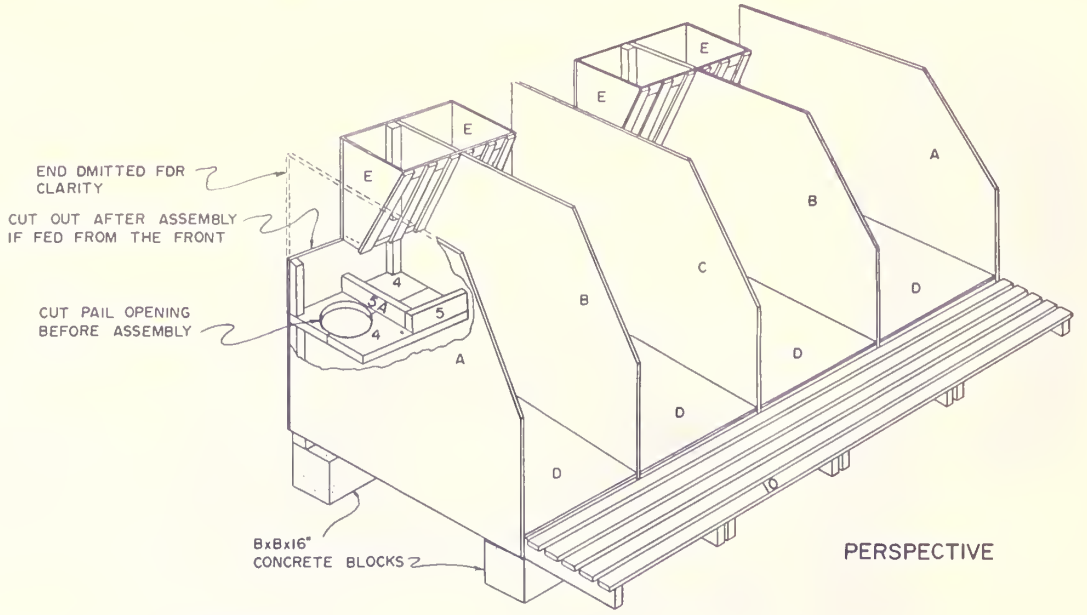
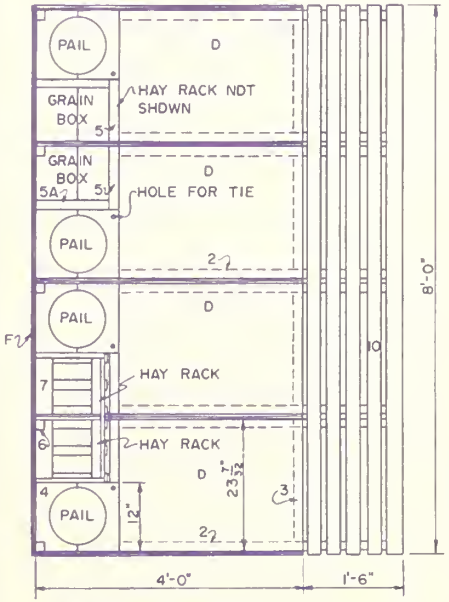


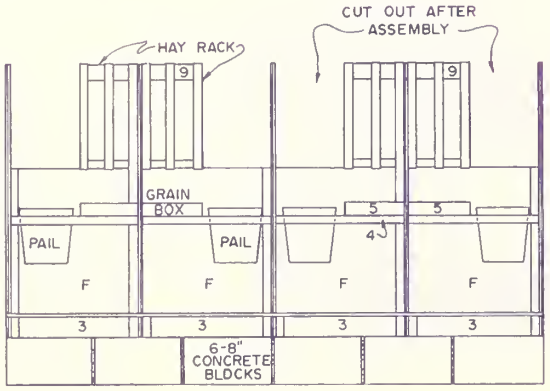
CROSS SECTION



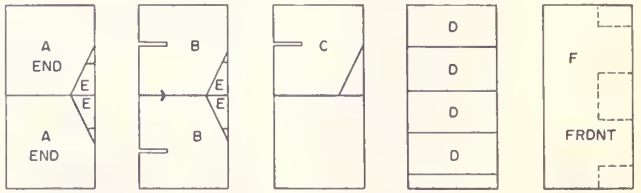
PERSPECTIVE



PLAN VIEW



REAR VIEW



PLYWOOD CUTTING DIAGRAM

PARTS LIST

1.	FRONT ELEVATION BLOCK	1 PC 2x4x8'-0"
2.	BED PIECES	8 PCS 2x4x5'-6"
3.	FILLER BLOCKS	4 PCS 2x4x20"
4.	TRAY BOTTOM	2 PCS 2x8x8'-0"
5.	BOX EDGE	4 PCS 2x4x12"
5A.	BOX EDGE	4 PCS 2x4x14"
6.	CORNER BLOCKS	5 PCS 2x2x4'-0"
7.	HAY RACK BOTTOM	4 PCS 2x4x12"
8.	HAY RACK SLATS	12 PCS 1x2x20"
9.	HAY RACK TOP RAIL	2 PCS 1x3x24"
10.	REAR FLOOR SLATS	5 PCS 1x3x8'-0"

MATERIALS NEEDED FOR A SECTION OF FOUR STALLS

8 PCS	2x4x12'-0"	FOR PARTS NUMBER 1,2,3,5A,7
2 PCS	2x8x8'-0"	FOR PART NUMBER 4
44 LINEAR FT.	1x3	FOR PARTS NUMBER 9,10
5 SHEETS	4x8 PLYWOOD, ⅜" EXTERIOR, CUT AS IN DIAGRAMS	
12	8x8x16" CONCRETE BLOCKS FOR BASE	
PORTLAND CEMENT MORTAR		
RUSTPROOF NAILS OR SCREWS		
1 PC	2x2x12'-0"	FOR PART NUMBER 6
1 PC	2x2x8'-0"	FOR PART NUMBER 6
20 LINEAR FT.	1x2	FOR PART NUMBER 8

NOTE:
MEASUREMENTS OF SOME PARTS ARE NOT DEFINITE. DIMENSION LUMBER VARIES SLIGHTLY IN SIZE, SO PIECES MUST BE CUT TO FIT.

PENNA. STATE UNIV. PLAN 723-215

PA. '68	EX. 6057	SHEET 1 OF 1

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